

re-run



RAW SEQUENCE LISTING

DATE: 08/09/2004

PATENT APPLICATION: US/10/602,045

TIME: 12:17:31

Input Set : N:\Crf3\RULE60\10602045.RAW.txt

Output Set: N:\CRF4\08092004\J602045.raw

1 <110> APPLICANT: Hanna, Michelle
 2 <120> TITLE OF INVENTION: Molecular Detection Systems Utilizing Reiterative
 Oligonucleotide
 3 Synthesis
 4 <130> FILE REFERENCE: 2072.0010000
 5 <140> CURRENT APPLICATION NUMBER: 10/602,045
 6 <141> CURRENT FILING DATE: 2003-06-24
 7 <150> PRIOR APPLICATION NUMBER: US/09/984,664
 8 <151> PRIOR FILING DATE: 2001-10-30
 9 <160> NUMBER OF SEQ ID NOS: 17
 10 <170> SOFTWARE: PatentIn version 3.0
 12 <210> SEQ ID NO: 1
 13 <211> LENGTH: 30
 14 <212> TYPE: DNA
 15 <213> ORGANISM: Artificial Sequence
 16 <220> FEATURE:
 17 <223> OTHER INFORMATION: methylated DNA template
 W--> 18 <221> NAME/KEY: misc_feature
 19 <222> LOCATION: (2)..(2)
 20 <223> OTHER INFORMATION: methylation
 W--> 21 <221> misc_feature
 22 <222> LOCATION: (10)..(10)
 23 <223> OTHER INFORMATION: methylation
 W--> 24 <221> misc_feature
 25 <222> LOCATION: (26)..(26)
 26 <223> OTHER INFORMATION: methylation
 W--> 27 <400> 1
 28 ccgcccaaac ggggtccggag cgactcgta
 30 <210> SEQ ID NO: 2
 31 <211> LENGTH: 30
 32 <212> TYPE: DNA
 33 <213> ORGANISM: Artificial Sequence
 34 <220> FEATURE:
 35 <223> OTHER INFORMATION: deaminated methylated DNA
 W--> 36 <221> NAME/KEY: misc_feature
 37 <222> LOCATION: (1)..(1)
 38 <223> OTHER INFORMATION: n is uracil
 W--> 39 <221> misc_feature
 40 <222> LOCATION: (4)..(6)
 41 <223> OTHER INFORMATION: n is uracil
 W--> 42 <221> misc_feature
 43 <222> LOCATION: (15)..(16)
 44 <223> OTHER INFORMATION: n is uracil
 W--> 45 <221> misc_feature



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46 <222> LOCATION: (21)..(21)
47 <223> OTHER INFORMATION: n is uracil
W--> 48 <221> misc_feature
49 <222> LOCATION: (24)..(24)
50 <223> OTHER INFORMATION: n is uracil
W--> 51 <221> misc_feature
52 <222> LOCATION: (29)..(29)
53 <223> OTHER INFORMATION: n is uracil
W--> 54 <400> 2
W--> 55      .ncgnnnaaac gggtnnggaa ngantcgtna      30
57 <210> SEQ ID NO: 3
58 <211> LENGTH: 30
59 <212> TYPE: DNA
60 <213> ORGANISM: Artificial Sequence
61 <220> FEATURE:
62 <223> OTHER INFORMATION: deaminated unmethylated DNA
W--> 63 <221> NAME/KEY: misc_feature
64 <222> LOCATION: (1)..(2)
65 <223> OTHER INFORMATION: n is uracil
W--> 66 <221> misc_feature
67 <222> LOCATION: (4)..(6)
68 <223> OTHER INFORMATION: n is uracil
W--> 69 <221> misc_feature
70 <222> LOCATION: (10)..(10)
71 <223> OTHER INFORMATION: n is uracil
W--> 72 <221> misc_feature
73 <222> LOCATION: (15)..(16)
74 <223> OTHER INFORMATION: n is uracil
W--> 75 <221> misc_feature
76 <222> LOCATION: (21)..(21)
77 <223> OTHER INFORMATION: n is uracil
W--> 78 <221> misc_feature
79 <222> LOCATION: (24)..(24)
80 <223> OTHER INFORMATION: n is uracil
W--> 81 <221> misc_feature
82 <222> LOCATION: (26)..(26)
83 <223> OTHER INFORMATION: n is uracil
W--> 84 <221> misc_feature
85 <222> LOCATION: (29)..(29)
86 <223> OTHER INFORMATION: n is uracil
W--> 87 <400> 3
W--> 88      nngnnnaaan gggtnnggag ngantngtna      30
90 <210> SEQ ID NO: 4
91 <211> LENGTH: 30
92 <212> TYPE: DNA
93 <213> ORGANISM: Artificial Sequence
94 <220> FEATURE:
95 <223> OTHER INFORMATION: deaminated methylated DNA
W--> 96 <221> NAME/KEY: misc_feature

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Input Set : N:\Crif3\RULE60\10602045.RAW.txt

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97 <222> LOCATION: (1)..(1)
98 <223> OTHER INFORMATION: n is uracil
W--> 99 <221> misc_feature
100 <222> LOCATION: (2)..(2)
101 <223> OTHER INFORMATION: methylation
W--> 102 <221> misc_feature
103 <222> LOCATION: (4)..(6)
104 <223> OTHER INFORMATION: n is uracil
W--> 105 <221> misc_feature
106 <222> LOCATION: (10)..(10)
107 <223> OTHER INFORMATION: methylation
W--> 108 <221> misc_feature
109 <222> LOCATION: (15)..(16)
110 <223> OTHER INFORMATION: n is uracil
W--> 111 <221> misc_feature
112 <222> LOCATION: (24)..(24)
113 <223> OTHER INFORMATION: n is uracil
W--> 114 <221> misc_feature
115 <222> LOCATION: (26)..(26)
116 <223> OTHER INFORMATION: n is uracil
W--> 117 <221> misc_feature
118 <222> LOCATION: (26)..(26)
119 <223> OTHER INFORMATION: methylation
W--> 120 <221> misc_feature
121 <222> LOCATION: (29)..(29)
122 <223> OTHER INFORMATION: n is uracil
W--> 123 <400> 4
W--> 124      ncgnnnaaac gggtnnggaa cgantngtna
126 <210> SEQ ID NO: 5
127 <211> LENGTH: 30
128 <212> TYPE: DNA
129 <213> ORGANISM: Artificial Sequence
130 <220> FEATURE:
131 <223> OTHER INFORMATION: deaminated unmethylated DNA
W--> 132 <221> NAME/KEY: misc_feature
133 <222> LOCATION: (1)..(2)
134 <223> OTHER INFORMATION: n is uracil
W--> 135 <221> misc_feature
136 <222> LOCATION: (4)..(6)
137 <223> OTHER INFORMATION: n is uracil
W--> 138 <221> misc_feature
139 <222> LOCATION: (10)..(10)
140 <223> OTHER INFORMATION: n is uracil
W--> 141 <221> misc_feature
142 <222> LOCATION: (15)..(16)
143 <223> OTHER INFORMATION: n is uracil
W--> 144 <221> misc_feature
145 <222> LOCATION: (21)..(21)
146 <223> OTHER INFORMATION: n is uracil

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Input Set : N:\Crif3\RULE60\10602045.RAW.txt

Output Set : N:\CRF4\08092004\J602045.raw

W--> 147 <221> misc_feature
 148 <222> LOCATION: (24)..(24)
 149 <223> OTHER INFORMATION: n is uracil

W--> 150 <221> misc_feature
 151 <222> LOCATION: (26)..(26)
 152 <223> OTHER INFORMATION: n is uracil

W--> 153 <221> misc_feature
 154 <222> LOCATION: (29)..(29)
 155 <223> OTHER INFORMATION: n is uracil

W--> 156 <400> 5

W--> 157 nngnnnaagn gggtnnggaa ngantngtna
 159 <210> SEQ ID NO: 6
 160 <211> LENGTH: 30
 161 <212> TYPE: DNA
 162 <213> ORGANISM: Artificial Sequence
 163 <220> FEATURE:
 164 <223> OTHER INFORMATION: deaminated target DNA

W--> 165 <221> NAME/KEY: misc_feature
 166 <222> LOCATION: (1)..(1)
 167 <223> OTHER INFORMATION: n is uracil

W--> 168 <221> misc_feature
 169 <222> LOCATION: (1)..(1)
 170 <223> OTHER INFORMATION: methylation

W--> 171 <221> misc_feature
 172 <222> LOCATION: (4)..(6)
 173 <223> OTHER INFORMATION: n is uracil

W--> 174 <221> misc_feature
 175 <222> LOCATION: (9)..(9)
 176 <223> OTHER INFORMATION: methylation

W--> 177 <221> misc_feature
 178 <222> LOCATION: (15)..(16)
 179 <223> OTHER INFORMATION: n is uracil

W--> 180 <221> misc_feature
 181 <222> LOCATION: (21)..(21)
 182 <223> OTHER INFORMATION: n is uracil

W--> 183 <221> misc_feature
 184 <222> LOCATION: (24)..(24)
 185 <223> OTHER INFORMATION: n is uracil

W--> 186 <221> misc_feature
 187 <222> LOCATION: (25)..(25)
 188 <223> OTHER INFORMATION: methylation

W--> 189 <221> misc_feature
 190 <222> LOCATION: (29)..(29)
 191 <223> OTHER INFORMATION: n is uracil

W--> 192 <400> 6

W--> 193 ncgnnnaaac gggtnnggag ngantcgtna
 195 <210> SEQ ID NO: 7
 196 <211> LENGTH: 23
 197 <212> TYPE: DNA

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Input Set : N:\Crif3\RULE60\10602045.RAW.txt

Output Set: N:\CRF4\08092004\J602045.raw

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198 <213> ORGANISM: Artificial Sequence
199 <220> FEATURE:
200 <223> OTHER INFORMATION: target site probe
W--> 201 <221> NAME/KEY: misc_feature
202 <222> LOCATION: (10)..(23)
203 <223> OTHER INFORMATION: n is any nucleotide of a, g, t or c
W--> 204 <221> misc_feature
205 <222> LOCATION: (10)..(23)
206 <223> OTHER INFORMATION: nucleotide residues may be between 8 and 14 n's in length
W--> 207 <400> 7
W--> 208      taacgaatcn nnnnnnnnnn nnn                                23
210 <210> SEQ ID NO: 8
211 <211> LENGTH: 10
212 <212> TYPE: DNA
213 <213> ORGANISM: Artificial Sequence
214 <220> FEATURE:
215 <223> OTHER INFORMATION: target site probe
216 <400> SEQUENCE: 8
217      gtttaaacga                                10
219 <210> SEQ ID NO: 9
220 <211> LENGTH: 21
221 <212> TYPE: DNA
222 <213> ORGANISM: Artificial Sequence
223 <220> FEATURE:
224 <223> OTHER INFORMATION: template strand
225 <400> SEQUENCE: 9
226      cttctatagt gtcacctaaa t                                21
228 <210> SEQ ID NO: 10
229 <211> LENGTH: 21
230 <212> TYPE: DNA
231 <213> ORGANISM: Artificial Sequence
232 <220> FEATURE:
233 <223> OTHER INFORMATION: nontemplate strand
234 <400> SEQUENCE: 10
235      atttaggtga cactatagaa g                                21
237 <210> SEQ ID NO: 11
238 <211> LENGTH: 12
239 <212> TYPE: DNA
240 <213> ORGANISM: Artificial Sequence
241 <220> FEATURE:
242 <223> OTHER INFORMATION: telomerase capture probe
243 <400> SEQUENCE: 11
244      gggtaggggt ta                                12
246 <210> SEQ ID NO: 12
247 <211> LENGTH: 30
248 <212> TYPE: DNA
249 <213> ORGANISM: Artificial Sequence
250 <220> FEATURE:
251 <223> OTHER INFORMATION: telomerase capture probe

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RAW SEQUENCE LISTING ERROR SUMMARY DATE: 08/09/2004
PATENT APPLICATION: US/10/602,045 TIME: 12:17:32

Input Set : N:\Crf3\RULE60\10602045.RAW.txt
Output Set: N:\CRF4\08092004\J602045.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:2; N Pos. 1,4,5,6,15,16,21,24,29
Seq#:3; N Pos. 1,2,4,5,6,10,15,16,21,24,26,29
Seq#:4; N Pos. 1,4,5,6,15,16,24,26,29
Seq#:5; N Pos. 1,2,4,5,6,10,15,16,21,24,26,29
Seq#:6; N Pos. 1,4,5,6,15,16,21,24,29
Seq#:7; N Pos. 10,11,12,13,14,15,16,17,18,19,20,21,22,23
Seq#:14; N Pos. 1,7,13,19

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 2
Seq#:7; Line(s) 206

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Input Set : N:\Crif3\RULE60\10602045.RAW.txt

Output Set: N:\CRF4\08092004\J602045.raw

L:18 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:21 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:1
L:24 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:1
L:27 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:1
L:36 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:39 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:2
L:42 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:2
L:45 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:2
L:48 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:2
L:51 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:2
L:54 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:2
L:55 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0
L:63 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:66 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:3
L:69 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:3
L:72 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:3
L:75 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:3
L:78 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:3
L:81 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:3
L:84 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:3
L:87 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:3
L:88 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0
L:96 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:99 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:4
L:102 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:4
L:105 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:4
L:108 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:4
L:111 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:4
L:114 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:4
L:117 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:4
L:120 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:4
L:123 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:4
L:124 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0
L:132 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:135 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:5
L:138 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:5
L:141 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:5
L:144 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:5
L:147 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:5
L:150 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:5
L:153 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:5
L:156 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:5
L:157 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0
L:165 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:168 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:6
L:171 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:6
L:174 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:6
L:177 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:6

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Input Set : N:\Crif3\RULE60\10602045.RAW.txt

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L:180 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:6
L:183 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:6
L:186 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:6
L:189 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:6
L:192 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:6
L:193 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0
L:201 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:204 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:7
L:207 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:7
L:208 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0
L:270 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:273 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:14
L:276 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:14
L:279 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:14
L:282 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:14
L:283 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:0